

2003 Safety-Net Cost Recovery Adjustment Clause Initial Proposal

Direct Testimony

SN-03-E-BPA-10 SN CRAC DESIGN

March 2003



INDEX

TESTIMONY OF

TIM D. MCCOY, BYRNE E. LOVELL, RANDY B. RUSSELL, CAROL A. MILLER, JAMES C. SAPP, AND MICHAEL R. NORMANDEAU

Witnesses for Bonneville Power Administration

SUBJECT: Rate Design

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| 1 | | TESTIMONY OF |
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| 3 | | JAMES C. SAPP AND MICHAEL R. NORMANDEAU |
| 4 | | Witnesses for Bonneville Power Administration |
| 5 | | |
| 6 | Subje | et: RATE DESIGN |
| 7 | Sectio | n 1. Introduction and Purpose of Testimony |
| 8 | Q. | Please state your names and qualifications. |
| 9 | A. | My name is Tim D. McCoy. My qualifications are contained in SN-03-Q-BPA-15. |
| 10 | A. | My name is Byrne E. Lovell. My qualifications are contained in SN-03-Q-BPA-12. |
| 11 | A. | My name is Randy B. Russell. My qualifications are contained in SN-03-Q-BPA-23. |
| 12 | A. | My name is Carol A. Miller. My qualifications are contained in SN-03-Q-BPA-16 |
| 13 | A. | My name is James C. Sapp. My qualifications are contained in SN-03-Q-BPA-24. |
| 14 | A. | My name is Michael R. Normandeau. My qualifications are contained in SN-03-Q-BPA-19. |
| 15 | Q. | What is the purpose of your testimony? |
| 16 | A. | The purpose of this testimony is to describe the purpose and design of the Safety-Net |
| 17 | | Cost Recovery Adjustment Clause (SN CRAC), the three criteria used to calculate the |
| 18 | | size of the rate increase, and the supporting data in ToolKit that ultimately generate the |
| 19 | | final rate. |
| 20 | Q. | How is your testimony organized? |
| 21 | A. | This testimony is organized in six sections, including this introduction. Section 2 |
| 22 | | describes the purpose of the SN CRAC. Section 3 describes the SN CRAC parameters |
| 23 | | and how the SN CRAC will be implemented. Section 4 describes alternative rate |
| 24 | | designs. Section 5 provides an overview of the SN CRAC analysis and Section 6 |
| 25 | | describes changes to models. |
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| 1 | Section | n 2. Purpose of the SN CRAC |
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| 2 | Q. | What is the purpose of the SN CRAC? |
| 3 | A. | The SN CRAC is designed to address situations where BPA has missed a payment to the |
| 4 | | Treasury or to a creditor, or where BPA forecasts a 50 percent or greater likelihood of |
| 5 | | missing such a payment. It is intended to put BPA back on the path to financial health. |
| 6 | | See Keep, et al., SN-03-E-BPA-04, for additional information on the intent of the |
| 7 | | SN CRAC. |
| 8 | Q. | Does the SN CRAC replace the FB CRAC? |
| 9 | A. | No. The SN CRAC is similar in design to the FB CRAC currently in place, but it does |
| 10 | | not replace the FB CRAC. It supplements the FB CRAC. |
| 11 | Q. | What management direction was given for use in the development of the SN CRAC? |
| 12 | A. | Management provided the following criteria to this panel for use in the development of |
| 13 | | this SN CRAC design. First, rates must be set sufficient to cover the PBL costs over the |
| 14 | | rate period. Second, the design, to the extent possible, mitigates the level of any rate |
| 15 | | increase. This included a directive to the rate design team to use agency reserves rather |
| 16 | | than PBL reserves in developing a solution. Third, the SN CRAC must be separate from |
| 17 | | the existing FB CRAC. In addition, BPA management established three standards that |
| 18 | | the rate design needed to meet to demonstrate cost recovery. See Keep, et al., |
| 19 | | SN-03-E-BPA-04, for additional information on management directives. |
| 20 | Q. | What are the standards the SN CRAC rate design must meet? |
| 21 | A. | The first standard is a 50 percent Treasury Payment Probability (TPP). This is the |
| 22 | | likelihood that BPA will make all of its Treasury payments in full and on time in |
| 23 | | FY 2004, 2005, and 2006. The second standard is an 80 percent Treasury Recovery |
| 24 | | Probability (TRP). This is the probability BPA will make all of its Treasury payments in |
| 25 | | full, including any deferrals, by the end of FY 2006. The third standard is a zero net |
| 26 | | revenue measure. This standard requires PBL to have accumulated total net revenues for SN-03-E-BPA-10 |

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- 2 A. The SN CRAC is proposed to be in place for the last 3 years of the current rate period for 3 12-month increments. The proposed SN CRAC adjustment is similar to the FB CRAC in 4 design. Like the FB CRAC, the SN CRAC has yearly thresholds and caps that determine the CRAC and limit the amount collected. The annual thresholds are set at \$-400 million 5 PBL ANR for FY 2003, for the SN CRAC that applies to FY 2004; \$-140 million for 6 7 FY 2004, for the SN CRAC that applies to FY 2005; and \$5 million for FY 2005, for the 8 SN CRAC that applies to FY 2006. These thresholds are compared to the forecasted PBL 9 ANR. The SN CRAC annual revenue amount is capped at \$470 million for each year.
 - Q. Why are the SN CRAC thresholds different from the thresholds for the FB CRAC?
 - A. The deterioration of BPA's financial condition requires that new thresholds be set for the SN CRAC. Using the FB CRAC thresholds would not allow BPA to meet the directive to set rates to cover PBL's costs and meet the TPP, TRP, and net revenue design standards.
 - Q. How does the SN CRAC work?
 - As in the existing FB CRAC, in August of FY 2003, 2004, and 2005, a forecast of end-of-year ANR will be prepared, based on Third Quarter Review data. This forecast will include actual net revenues, as accumulated since FY 1999, to the extent actual financial data is available, plus the forecast of net revenue changes through the remainder of the fiscal year. For purposes of the SN CRAC, the forecast of ANR will be adjusted upward for any anticipated FB CRAC revenue for the next fiscal year. The ANR amount will be compared to the SN CRAC threshold. If the ANR plus FB CRAC revenue is below the SN CRAC threshold, an upward adjustment to posted power rates will be made for applicable power products for the following fiscal year. The SN CRAC revenue will be collected over a 12-month period and be equal to the lesser of: the annual cap or the difference between the threshold and the sum of forecasted ANR and FB CRAC revenue.

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| 1 | Q. | Why is the SN CRAC collected over a 12-month period? |
| 2 | A. | The SN CRAC revenues are collected over a 12-month period in order to spread the |
| 3 | | burden of the SN CRAC rate increase fairly across customers. An SN CRAC other than |
| 4 | | 12-months in length would disproportionately impact customers because of differing load |
| 5 | | patterns. By applying the SN CRAC for 12 months, all customer peak periods and |
| 6 | | off-peak periods will be covered. |
| 7 | Q. | Why is the SN CRAC based on a forecast rather than audited actual ANR? |
| 8 | A. | Audited actual ANR is not available until after the start of a fiscal year. Waiting for |
| 9 | | audited, actual ANR would mean that the SN CRAC could not begin on October 1, 2003, |
| 10 | | and it would not be possible to have three complete 12-month periods in the remainder of |
| 11 | | this rate case. By using the Third Quarter Review numbers, a large portion of the |
| 12 | | forecasted end-of-year ANR will be based on actual data. |
| 13 | Q. | Is ANR for SN CRAC purposes calculated in the same way that ANR are calculated for |
| 14 | | FB CRAC purposes? |
| 15 | A. | Yes. The ANR for any given fiscal year are accrued revenues less accrued expenses, in |
| 16 | | accordance with Generally Accepted Accounting Principles. Like the FB CRAC, there |
| 17 | | are two exceptions: first, for purposes of determining if either CRAC threshold has been |
| 18 | | reached, actual and forecasted expenses will include BPA expenses associated with |
| 19 | | Energy Northwest debt service as forecasted in BPA's WP-02 Final Studies. Second, the |
| 20 | | impact of adopting Financial Accounting Standard 133, Accounting for Derivative |
| 21 | | Instruments and Hedging Activities, will not be considered in determining if the CRAC |
| 22 | | thresholds have been reached. |
| 23 | Q. | Why is there a cap? |
| 24 | A. | Given management direction regarding mitigation of rate increases, BPA determined a |
| 25 | | cap sets a reasonable balance between limiting the rates customers might have to pay and |
| 26 | | providing protection for BPA's finances. |

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| 1 | Q. | Why is the cap set at \$470 million? |
| 2 | A. | In the development of the SN CRAC, BPA explored the impacts of a variety of SN |
| 3 | | CRAC parameters on rates. BPA determined a cap of \$470 million provided an equitable |
| 4 | | balance between rate levels and protection for BPA's finances. |
| 5 | Q. | What is the process associated with BPA's calculation of the SN CRAC? |
| 6 | A. | BPA will hold a public process in August of each year for the remainder of the rate |
| 7 | | period in which BPA will explain the assumptions behind the forecast of ANR and |
| 8 | | explain the calculation of the SN CRAC revenue amount. This public process will be |
| 9 | | combined with the existing FB CRAC process. BPA will make a final decision on the |
| 10 | | revenue amount by the end of August. The SN CRAC rate increase will first appear on |
| 11 | | the customer's October bills, and will continue through that fiscal year. |
| 12 | Q. | Is there an opportunity to make a correction if the forecast of ANR is significantly |
| 13 | | wrong? |
| 14 | A. | No. Once the SN CRAC is in place it remains in place for the entire fiscal year. |
| 15 | | However, with a multi-year design, the actual ANR automatically goes into the following |
| 16 | | year's SN CRAC calculation. This effectively provides for an annual true-up. |
| 17 | Q. | What is the projected impact of the SN CRAC? |
| 18 | A. | The expected value of revenue from the SN CRAC over the period FY 2004 through |
| 19 | | FY 2006 is \$1,018.5 million. The expected value of the SN CRAC rate increase as a |
| 20 | | percentage of May 2000 base rates is 29.5 percent in FY 2004, 31.7 percent in FY 2005, |
| 21 | | and 27.5 percent in FY 2006. The expected rate increase of the combined CRACs over |
| 22 | | FY 2003 rates (including the 2003 LB CRAC and FB CRAC) is 17 percent in FY 2004, |
| 23 | | 17.5 percent in FY 2005, and 12 percent in FY 2006, for average of 15.67 percent for the |
| 24 | | remaining three years of the rate period (see Documentation for SN-03 Study, |
| 25 | | SN-03-E-BPA-02). |
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- A. No. The variable design is a general mechanism with parameters, chiefly the thresholds and annual caps, that would not change. The SN CRAC rate calculated under the variable design would change with changes in ANR, but the design itself would not change after the ROD.
- Q. How would a contingent design be different?
 - A contingent design is one whose parameters themselves can change, contingent on certain events. In public SN CRAC workshops, some customers have proposed actions that might reduce PBL's net revenue gap, thereby reducing the size of the problem the SN CRAC is addressing. For instance, customers suggested that settling the Publics' lawsuit against the IOUs would save \$200 million and could reduce BPA's overall rate level. BPA does not believe it can prudently count on this. It depends on the actions of many outside entities, and on finding a mechanism for having the impact of the settlement reduce SN CRAC rather than the LB CRAC. A contingent design could accommodate success in these efforts by changing the SN CRAC parameters if the favorable events occur before August 1, 2003 (or perhaps before August 1 of 2004 or 2005 for the designs of the SN CRAC that would affect rates in FY 2005 and 2006). Some governing principles could guide the modifications of the SN CRAC parameters. One such principle might be that the modified SN CRAC design should meet, but just barely meet, the TPP and TRP criteria. Another might be that the modified SN CRAC should act to reduce the SN CRAC percentages for all years proportionately, rather than concentrating the impact in a subset of the years. Still a different approach would be to look forward into each year and identify the events affecting net revenues that BPA considers certain or perhaps highly likely to occur, and to adjust the revenue to be collected by that year's SN CRAC accordingly. Hypothetically, this might mean that settling the lawsuit would increase BPA's net revenue by \$67 million in each year from

SN-03-E-BPA-10

be the nature and magnitude of the cost recovery problem, including the assumptions in

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| 1 | | any financial forecast used; the availability and use of measures other than rate changes |
| 2 | | to resolve the problem; and proposed changes to SN CRAC parameters. |
| 3 | Sectio | n 5. Overview of SN CRAC Analysis |
| 4 | Q. | Please describe the general modeling approach you are using. |
| 5 | A. | The main tool BPA used in assessing various SN CRAC designs is the ToolKit. |
| 6 | | ToolKit's primary function is to calculate TPP and TRP. It also calculates many other |
| 7 | | statistics that can be useful for analyzing various rate designs in order to assess BPA's |
| 8 | | chances of making its Treasury payments. Other models perform the fundamental |
| 9 | | portrayal of BPA's risk. |
| 10 | Q. | What are the main inputs to the ToolKit? |
| 11 | A. | Net revenue variability is one of the main inputs to the ToolKit. Net revenue variability |
| 12 | | is in two ToolKit input files, representing the variability of PBL net revenues and TBL |
| 13 | | net revenues. RiskMod generates the PBL net revenue file. See Conger, et al., |
| 14 | | SN-03-E-BPA-07. The file of TBL games was generated by the Transmission Risk |
| 15 | | Analysis used in the 2003 TBL rate case. The TBL data includes both the variability of |
| 16 | | net revenues and the translation of net revenues into cash flows. The PBL data from |
| 17 | | RiskMod does not include the translation of net revenues (accrual data) into cash flows. |
| 18 | | This modification is performed by a set of Accrual-to-Cash Adjustments input into the |
| 19 | | ToolKit. |
| 20 | Q. | Are these the only inputs the ToolKit needs? |
| 21 | A. | No. The ToolKit also needs the starting reserve balances for the two business lines, the |
| 22 | | starting ANR balance for PBL, and the amount of interest credit assumed in the |
| 23 | | calculation of the net revenues for TBL and PBL. |
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| 1 | Q. | What role do the starting reserve balances play? |
| 2 | A. | The reserve balances show the financial reserves – cash plus deferred borrowing – |
| 3 | | available to each business line. The sum of the reserves for the two business lines is the |
| 4 | | total reserves for BPA. This is a critical value, as BPA's ability to pay its creditors |
| 5 | | depends on the reserves with which it starts a year plus the net cash flow for that year. At |
| 6 | | the end of the year, if BPA does not have sufficient reserves to pay Treasury, BPA's |
| 7 | | last-in-line creditor, it may have to defer some or all of its Treasury payment. |
| 8 | Section | n 6. Changes in the Models Supporting SN CRAC |
| 9 | Q. | Are there any changes in the models used to analyze CRACs since BPA's Supplemental |
| 10 | | Rate proposal in June 2001? |
| 11 | A. | Yes. There are four significant changes. The first is that BPA is not using the |
| 12 | | Non-Operating Risk Model (NORM) to assess the risks around BPA's non-operating |
| 13 | | expenses because of the commitment to operate to particular budget levels. |
| 14 | Q. | Why has BPA not included any NORM distribution? |
| 15 | A. | The primary purpose for using the NORM distribution is to assess the risks around BPA's |
| 16 | | cost levels. BPA is making a major commitment to specific cost control targets. See |
| 17 | | Keep, et al., SN-03-E-BPA-04. The depth of this commitment means that there is no |
| 18 | | need to reflect risks that costs will exceed these levels. Because NORM performed this |
| 19 | | function, it will not be needed in this rate case. |
| 20 | Q. | What is the second change? |
| 21 | A. | BPA is including TBL data in our analyses because of the decision to use agency reserve |
| 22 | | levels. See Keep, et al., SN-03-E-BPA-09. |
| 23 | Q. | Why is TBL data necessary for this proceeding? |
| 24 | A. | There are two reasons: one is for the SN CRAC Trigger Analysis, and the other is based |
| 25 | | on the management decision to use agency reserves in calculating the TPP in order to |
| 26 | | mitigate the size of the rate increase. |
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| 1 | Q. | Please explain the importance of TBL data for the Trigger case. |
| 2 | A. | The GRSPs define the trigger event for the SN CRAC as the fact or the forecast of a |
| 3 | | 50 percent or higher probability of a missed payment by BPA to a creditor (including the |
| 4 | | Treasury). BPA makes payments to the Treasury as a single agency, not as PBL alone. |
| 5 | | Therefore, to properly determine the possibility or fact of a missed Treasury payment |
| 6 | | requires consideration of both PBL and TBL reserve levels. |
| 7 | Q. | What is the third change to the model? |
| 8 | A. | BPA included a detailed Accrual-to-cash adjustment to calculate the reserve levels for the |
| 9 | | TPP. |
| 10 | Q. | What is the purpose of the Accrual to-Cash (ATC) adjustment? |
| 11 | A. | The ATC adjustment makes the necessary changes to convert the net revenues (accruals) |
| 12 | | provided from RiskMod into the equivalent reserves (cash) value needed by ToolKit to |
| 13 | | calculate TPP. |
| 14 | Q. | Is this adjustment new for this rate case? |
| 15 | A. | No. BPA's May 2000 Proposal included an adjustment in the ToolKit called the <i>Internal</i> |
| 16 | | Cash Flow that reflected the differences between net revenues and cash. |
| 17 | Q. | Why do net revenues and cash differ? |
| 18 | A. | For ToolKit and TPP purposes, there are four major factors that cause cash and net |
| 19 | | revenues to differ. First, some revenues and expenses that are accrued and included in |
| 20 | | net revenues do not affect cash. These include the depreciation and amortization of |
| 21 | | BPA's physical and non-physical assets, and the interest adjustments shown on the ATC |
| 22 | | Table (See SN-03 Study, Chapter 7, SN-03-E-BPA-01, Table 7-4, ToolKit Net Revenues |
| 23 | | to Cash Adjustments), which mostly reflects the "recognition of the gain" resulting from |
| 24 | | the restructuring of BPA's Federal appropriations in the 1990s. Part of the gain is |
| 25 | | amortized (written off) annually and "recognized" on the income statement as a non-cash |
| 26 | | reduction in interest expense each year. Because this transaction has no cash impact, |
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BPA's actual cash obligation to Treasury is not reduced. Therefore, BPA's interest payment is higher than its interest expense by the amount of the amortized gain. Second, there are timing differences between when certain accrued revenue and expense items are included in the income statement, and when the associated cash is received or paid. These items include the ENW Net Billing Prepaid Expense, the Residential Exchange Deferral; the Slice True-Up, LB CRAC True-Up, and various terminated purchase and sales contract amounts and other miscellaneous items included in the "all other" category in the ATC table. Third, there are various sources and uses of cash that are not part of the income statement. These include Reserve Fund Free-ups, Scheduled Federal Debt Amortization (Repayment), Transmission Revenue-Financed Capital Investments, the Proceeds from TBL Asset Sales (included in "All Other"), and the associated Accelerated Repayment of long-term debt from those Asset Sales.

- Q. What is the fourth reason for cash to differ from net revenues?
- A. The PBL income statement includes ENW debt service forecasts (as part of non-Federal debt service) from the May 2000 power rate case, which is consistent with the treatment for calculating accumulated net revenues for the FB CRAC. BPA has been actively refinancing and restructuring the principal payments of the ENW portions of this debt service in order to extend the principal payments into the future. BPA has amortized, and plans to continue to amortize, a like amount of Federal debt as was extended by ENW. To reflect the cash effects of the restructured ENW debt service it is necessary to replace the non-Federal debt service in the income statement with the current estimates of non-Federal debt service payments that include the restructured ENW debt service. In addition, the planned advanced amortization of Federal debt is a use of cash that is not included in the power income statement, so it must be shown as a reduction in cash on the ATC table.

level of BPA's rates, and the amount of power and transmission services that net-billed

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SN-03-E-BPA-01, Chapter 7.

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| 1 | | balances. For ToolKit purposes, the TBL Monte Carlo risk analysis model is run for |
| 2 | | 3,000 iterations, providing 3,000 four-year sets of net cash flows for FY 2003-2006. |
| 3 | | These 3,000 sets of net cash flows are inputs to ToolKit for purposes of calculating BPA |
| 4 | | net cash flows and TPP. For additional detail, see Chapter 7, SN-03 Study, |
| 5 | | SN-03-E-BPA-01. |
| 6 | Q. | What changes might be made in the final rate proposal with respect to the accrual to |
| 7 | | cash adjustments? |
| 8 | A. | Any changes to the forecasted expense levels and the load and revenue forecasts could |
| 9 | | affect the amount of cash BPA anticipates receiving. The most likely adjustments |
| 10 | | include incorporating a new ENW budget for ENW's FY 2004, which starts July 1, 2003; |
| 11 | | updated forecasts of ENW debt service to reflect any FY 2003 refinancings; updated |
| 12 | | revenue, expense, and end-of-year reserve levels for FY 2003; and any updates or |
| 13 | | changes to TBL's rate case risk analysis. Adjustments will also be made to capture |
| 14 | | changes in expenses, revenues, and cash resulting from deals signed between the time of |
| 15 | | the Initial Proposal and the time of the Final Proposal where the associated stream of |
| 16 | | accrued revenues and/or expenses differs from the stream of cash payments or receipts, |
| 17 | | such as the settlement or termination of any power purchase or sales contracts. |
| 18 | Q. | What is the fourth and final change to the ToolKit model? |
| 19 | A. | BPA made a number of modifications to the ToolKit model that calculates the TPP for |
| 20 | | BPA's SN CRAC proposal. |
| 21 | Q. | Please describe these modifications to model BPA's proposal. |
| 22 | A. | There are five reasons for the modifications: (1) transitioning to a post-2002 rate case |
| 23 | | world, there were features of the ToolKit that were no longer needed; (2) features |
| 24 | | required to model the SN CRAC needed to be added; (3) adoption of the new TRP |
| 25 | | criterion required modifications to the TPP logic; (4) there were several general updates |
| 26 | | and clean-ups to make the ToolKit operate more easily; and (5) several modifications |

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| 1 | | were needed to make the ToolKit more useful for this rate case. A more detailed |
| 2 | | explanation of the operation of the current version of the ToolKit can be found in the |
| 3 | | SN CRAC Design Study. See Documentation for SN-03 Study, SN-03-E-BPA-03, |
| 4 | | Chapter 7. |
| 5 | Q. | Please describe the modifications made to reflect the transition to a post-2002 rate case |
| 6 | | world. |
| 7 | A. | First, BPA is not using the 13 Fish & Wildlife Alternatives used in the WP-02 |
| 8 | | proceeding. The 2002 Biological Opinion (BiOp) has been determined, and BPA no |
| 9 | | longer needs to reflect uncertainty about the BiOp through the use of multiple flow and |
| 10 | | program regimes. Second, the revenues from Slice are now known. Third, since a |
| 11 | | particular LB CRAC design was adopted in the 2002 rate case, it is no longer necessary |
| 12 | | to model alternative LB CRAC designs in the ToolKit. All of the LB CRAC options |
| 13 | | except the one currently in the rates have been removed. |
| 14 | Q. | How was ToolKit modified in order to model the SN CRAC? |
| 15 | A. | The principal modifications created arrays of cells on the main page where the |
| 16 | | parameters of alternative SN CRAC designs could be entered, and added output displays |
| 17 | | on the same page. |
| 18 | Q. | Why did BPA modify the TPP logic? |
| 19 | A. | As the Overview and Management panel notes (Keep, et al., SN-03-E-BP-04), BPA has |
| 20 | | proposed using a new Treasury payment criterion called Treasury Repayment Probability |
| 21 | | (TRP). This is the probability that by the end of FY 2006 BPA will have paid all FY |
| 22 | | 2006 Treasury payments and any missed portions of Treasury payments for FY 2003- |
| 23 | | 2005. The ToolKit did not have logic for calculating this, so it was added. |
| 24 | Q. | Has the inclusion of TBL data changed the TPP calculations? |
| 25 | A. | The TPP calculations have changed only in that TBL data is factored in. There has been |
| 26 | | no change to the logic. Previously ToolKit started with PBL cash, added in PBL net SN-03-E-BPA-10 |

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| 1 | | revenue, translated to PBL cash, and compared the ending reserve balance to the PBL |
| 2 | | working capital of \$50 million. Now ToolKit starts with PBL and TBL cash, adds in PBL |
| 3 | | net revenue, translates it to PBL cash, adds in the TBL cash flow, and compares the |
| 4 | | ending reserve balance to the total BPA working capital level of \$70 million. |
| 5 | Q. | What "general updates" did BPA make to ToolKit? |
| 6 | A. | Since the time when BPA was preparing the Supplemental Proposal in June 2001, various |
| 7 | | user interface improvements have been made. For example, some cells that required |
| 8 | | "TRUE" or "FALSE" as inputs were replaced with checkboxes. |
| 9 | Q. | Why has this rate case required changes in the ToolKit? |
| 10 | A. | The earlier versions of the ToolKit operated only in the cash world, and BPA had to |
| 11 | | make translations back and forth between the cash world of the ToolKit and the ANR |
| 12 | | world of the FB CRAC. With the possible addition of another adjustment keying off |
| 13 | | ANR, it made sense to model ANR explicitly in the ToolKit. Now the ToolKit can use |
| 14 | | the FB CRAC thresholds from the GRSPs, denominated in ANR, instead of using cash |
| 15 | | figures that were at one time the basis for deriving the ANR thresholds. This represents |
| 16 | | more accurately the way the FB CRAC would operate. This also benefits the modeling |
| 17 | | of the SN CRAC, as BPA has proposed that the SN CRAC thresholds be denominated in |
| 18 | | ANR rather than cash. |
| 19 | Q. | What other ToolKit changes are specific for this rate case? |
| 20 | A. | A calculation of the approximate total net revenue for the four years, FY 2003 through |
| 21 | | 2006, has been added to facilitate checking whether the SN CRAC design meets the TPP, |
| 22 | | TRP, and net revenue criteria. This criterion requires that an SN CRAC solution provide |
| 23 | | that PBL net revenue for FY 2002 through 2006 be at least zero. Since current runs of the |
| 24 | | ToolKit do not include FY 2002, the net revenue for FY 2002 needs to be added to the |
| 25 | | five year total the ToolKit reports. The actual 2002 PBL net revenue was negative |
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\$390.5 million.

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| 1 | Q. | Are there other changes BPA has made specifically for this rate case? |
| 2 | A. | Yes. In addition to reporting the expected value of several SN CRAC statistics in their |
| 3 | | own right, BPA has also included a report of the total rate level for each year, |
| 4 | | FY 2004-2006, as a percentage above the total average non-Slice rate for FY 2003. The |
| 5 | | FY 2003 total includes both the LB CRAC and the FB CRAC. The total for the later |
| 6 | | years also includes any SN CRAC increase. For example, if this statistic is 3 percent for |
| 7 | | FY 2004, it is indicating that the expected value of the base rate plus the FY 2004 |
| 8 | | LB CRAC rate plus the 2004 FB CRAC rate plus the 2004 SN CRAC rate would be |
| 9 | | 3 percent higher than the FY 2003 total of the base rate plus the 2003 LB CRAC rate plus |
| 10 | | the 2003 FB CRAC rate. |
| 11 | Q. | Does this conclude your testimony? |
| 12 | A. | Yes. |
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